MICROSPORT®

Outdoor Computer

verde / AltiWatch

User Manual / Gebrauchsanweisung

verde / Altiwatch – User Manual

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1. Introduction

Thank you for purchasing the Microsport verde / AltiWatch. This watch features:

- Current time / date
- Daily alarm
- 5 Stopwatches
- Stopwatch history log
- Countdown timer
- Second time zone setting
- Altimeter
- Barometer
- Temperature

To make the most of your purchase, be sure to carefully read this user manual and keep it handy for future reference. Please take the following precautions in using and caring for your new Microsport AltiWatch

- Avoid exposing the watch to extreme conditions
- Avoid rough use and/or severe impacts
- Do not attempt to open the watch
- Occasionally clean the watch with a soft and moistened cloth
- Store the watch in a clean, dry place when not in use for an extended period of time.

1.1. Button Functions

SET/+: [S/+]

ON/OFF: [O/O]

MODE: [M]

OPTION/-: [O/-]

Light [L]

[S/+]: Used to access setting mode and increase/ change digits during setup. Stores intermediate or lap times in the stopwatch.

[M]: Used to select between main modes of the watch. Fast exit key to all setup modes.

[O/O]: Used to confirm settings in setup; Starts/ stops the stopwatch; lock/unlock the altitude in altimeter mode.

[O/-] Used to select functions of corresponding main modes; decreases/changes digits during setup

[L]: Activates the electric backlight for 3 seconds. NOTE excesive use of the backlight decreases the battery life.

1.2. Major Function Modes

Press any button to wake the watch from sleep mode. Press the [M] button to toggle among the main function modes.

The following indicators are used to identify the mode you are in

◷: Time Mode
A: Alti Mode
B : Barometer Mode
T : Temperature Mode

2. Time / Date Mode - Display

- To view time mode, press the [M] button until the mode indicator displays the clock symbol ◷.
- When Time / Date mode is selected, the watch will display the day of the week and current time on the top row and the current date or temperature on the bottom row.

2.1. Time / Date Mode - Setup

- In Time / Date mode press and hold the Set/+ button [S/+] for two seconds
- The 12 H / 24 H indicator will flash. Use the [O/-] button to select between a 12 or 24 hour clock feature.
- Press the [O/O] button to confirm your selection.
- The hours indicator will flash. Use the [S/+] and [O/-] buttons to select the correct hour.
- Press the [O/O] button to confirm your selection.
- The minutes indicator will flash. Use the [S/+] and [O/-] buttons to select the correct minutes.
- Press the [O/O] button to confirm your selection.
- The month indicator will flash. Use the [S/+] and [S/-] buttons to select the correct month.
- Press the [O/O] button to confirm your selection.
- The days indicator will flash. Use the [S/+] and [O/-] buttons to select the correct day.
- Press the [O/O] button to confirm your selection.
- The year indicator will flash. Use the [S/+] and [O/-] buttons to select the correct year.

- Press the [O/O] button to confirm your selection.
- You have now completed the Date / Time Mode quick set.

3. Daily Alarm - Display

- This watch includes a daily alarm. When the daily alarm is ON, the alarm will sound for 30 seconds at the alarm time every day.
- To view the daily alarm display, press the [O/-] button once while viewing the Time mode.
- When the daily alarm is selected, the watch will display the alarm setting indicator in the top row and the daily alarm time in the bottom row.
- You can arm and disarm the alarm with the [O/O] button.

3.1. Daily Alarm – Setup

- To set the daily alarm, press and hold the [S/+] button for 2 seconds. The hours indicator will flash.
- Use the [S/+] and [O/-] buttons to adjust the hours indicator.
- Press the [O/O] button to confirm your selection.
- At this time, the minutes indicator should be flashing.
- Use the [S/+] and [O/-] buttons to adjust the minutes indicator.
- Press the [O/O] button to confirm your selection.

4. Countdown Timer – Display

- This watch includes a countdown timer.
- To view the countdown timer, press the [O/-] button twice while viewing Time mode.
- When the countdown timer is selected, the watch will display the countdown time in the top row and the current home time in the bottom row.
- You can start or interrupt the countdown with [O/O].

4.1. Countdown Timer – Setup

- To set the countdown timer, press and hold the [S/+] button for 2 seconds. The hours indicator will flash.
- Use the [S/+] and [O/-] buttons to adjust the hours indicator.
- Press the [O/O] button to confirm your selection.
- At this time, the minutes indicator should be flashing.
- Use the [S/+] and [S/-] buttons to adjust the minutes indicator.
- Press the [O/O] button to confirm your selection.
- At this time, the seconds indicator should be flashing.
- Use the [S/+] and [S/-] buttons to adjust the seconds indicator.
- Press the [O/O] button to confirm your selection.
- The countdown timer is now set

4.2. Countdown Timer – Usage

- When in countdown timer mode, press the [O/O] button to start the countdown.
- Press the [O/O] button again to stop the countdown.
- Press the [O/O] button again to resume the countdown
- When the countdown timer expires the alarm will sound for 30 seconds and the timer will reset to the last countdown timer setting.
- The countdown will continue to work in the background even when switching to other functions while the countdown is running.
- Press the [O/-] button to proceed to the Stopwatch Mode.

5. Stopwatch – Display

- This watch features 5 individual stopwatch counters.
- Measuring capacity: measuring unit is 1/10 second. Measuring range is 99 hours, 59 minutes, 59.90 seconds
- To view the stopwatch, press the [O/-] button three times while viewing Time mode.
- When the stopwatch is selected, the watch will display ***StP X*** (X is the stopwatch session you are currently using from 1 to 5) in the top row and 0:00 in the bottom row.

5.1. Stopwatch – Setup

- In stopwatch mode, press and hold the [S/+] button for two seconds.
- The LAP/int indicator will flash.
- Both LAP and intermediate settings will record time the same way, but the way the information is displayed will vary. The LAP setting will show the just the last lap time when the [S/+] or [O/O] buttons are pushed and in stopwatch history mode. The Intermediate setting will show the cumulative intermediate times when the [S/+] or [O/O] buttons are pushed and in stopwatch history mode.
- Press the [O/-] button to select between Lap and int settings.
- Press the [O/O] button to confirm your selection.

5.2. Stopwatch – Usage

How to use the Stopwatch

- When in stopwatch mode, press the [O/O] button to start the stopwatch. The top row will now display **-- -- --** and the bottom row will display the current stopwatch time.
- Press the [O/O] button again to finish or interrupt the stopwatch. The top and bottom rows will now display current stopwatch time.
- Press the [O/O] button again to resume the stopwatch. The top row will now display **-- -- --** and the bottom row will display the current stopwatch time.
- While the stopwatch is running, users may enter lap/int times by pressing the [S/+] button. The top row will now display first lap/int time and the bottom row will display the cumulative stopwatch time.
- After each successive lap/int time is entered, the top row will display:
  - the cumulative time of all the entered intermediate times if the int setting was selected
    - or
  - the last lap time if the lap setting was selected
- The bottom row will display the cumulative stopwatch time.
- When you have finished the actual stopwatch session, press the [O/-] button to proceed to the stopwatch history mode or press [S/+] to proceed to the next available stopwatch to begin recording another set of times following the steps above. (Note that there are 5 available stopwatches. More stopwatch information can be recorded by clearing stopwatch data in the stopwatch history mode or by recording over stopwatch session #5.

6. Stopwatch History – Display

- To access the stopwatch history mode, press the [O/-] button 4 times while viewing the Time Mode.
- When the stopwatch history mode is selected the watch will display ***St HSt*** on the top row and either the current home time or temperature on the bottom row depending on your selection made in temperature mode.

6.1. Stopwatch History – Usage

How to retrieve saved stopwatch information

- To view saved stopwatch information, press the [O/O] button in stopwatch history mode to view the desired history log
- Press the [O/-] button to confirm your selection and view the desired data.
- Continue pressing the [O/-] button to scroll through the different lap/int times for that stopwatch log
- Press the [O/O] button at any time to view a different stopwatch log
- To clear all saved stopwatch data, press and hold the [S/+] button while selecting a stopwatch history to view

7. Alternate Time Zone – Display

- To view the alternate time zone display, press the [O/-] button 5 times while in Time Mode.
- When the alternate time zone mode is selected the watch will display the alternate time zone time in the top row and the home time mode in the bottom row.

7.1. Alternate Time Zone – Setup

- In the alternate time zone mode, press and hold the Set/+ button [S/+] for two seconds.
- The hours indicator will flash. Use the [S/+] and [o/-] buttons to select the correct hour, making sure to account for a.m. ***A***, or p.m. ***P***.
- Press the [O/O] button to confirm your selection.
- The minutes indicator will flash. Use the [S/+] and [O/-] buttons to select the correct minutes.
- Press the [O/O] button to confirm your selection.
- The alternate time zone is now set. Press the [O/-] to home time display.

8. Altimeter Mode – Display

- Altimeter mode provides information based on the user's altitude relative to sea level and trends from the reduced barometric pressure.
- To view the altimeter, press the mode [M] button until the mode indicator displays ***A***
- In altimeter mode, the watch will display the barometric TREND, 24h, 2h, and the current altitude on the top rows, and the current home time or temperature based on the selection in the temperature mode in the bottom row.

8.1. Altimeter Mode – Setup

- In altitude mode, press and hold the [S/+] button for 2 seconds.
- The reference altitude reading will flash.
- Using the [S/+] and [O/-] buttons, enter your reference altitude. Your reference altitude should be obtained from a reliable map source for your current altitude.
- Once you researched and entered your reference altitude, press the [O/O] button to confirm your selection
- The ft/m indicator will now flash.
- Use the [O/-] button to select your desired unit of measurement.
- Press the [O/O] button to confirm your selection

8.2. Altimeter Mode – Lock Altitude Function

The altitude of the used is calcualted from the barometric pressure information provided by the built in sensor.

There are two possible reasons for a change in the barometric pressure:

- Change in the waether conditions
- Change of the altitude

In order to avoid changes in the altitude reading caused by the change of the weather conditions we recommend to lock the altitude to the actual reading when not changing the altitude, i.e. over night.

To do so simply press [O/O} in the Altimeter Mode. The center line will then show **-- -- --** indicating that changes in the altitude can not be made now.

To continue the altitude measurement press [O/O] again in the altimeter mode. The altitude is displayed again and changes can be recorded.

8.3. Altimeter Mode – Features

- The reduced barometric trend graph is divided into two segments, 24h and 2h. The dashed lines display pressure trend in the last 24 and 2 hours. See the examples below:

- Current Altitude
  - Current altitude is the default display in altitude mode. This is the first feature displayed when selecting altitude mode
- Maximum Altitude
  - In altitude mode, press the [O/-] button once to view the maximum altitude reached since the maximum altitude reading was last reset
  - The word ***MAX*** is displayed to the right of the trend graph.
  - Proceed to the Daily Ascent feature by pressing the [O/-] button.
- Daily Ascent
  - This feature displays the user's total ascent for the day. The daily ascent feature is automatically reset every day at midnight.
  - In the daily ascent mode, the word ***DAY*** will be displayed to the left of the trend graph and the up arrow ↑ will be displayed in the mode indicator.
  - Proceed to the Daily Descent feature by pressing the [O/-] button.
- Daily Descent
  - This feature displays the user's total descent for the day. The daily descent feature is automatically reset every day at midnight.
  - In the daily descent mode, the word ***DAY*** will be displayed to the left of the trend graph and the down ↓ arrow will be displayed in the mode indicator.
  - Press the [O/-] button to return to the current altitude feature.
  - Press the [M] button to exit altitude mode and select barometer mode.

9. Barometer Mode – Display

- Barometer mode provides information based on changing barometric pressure.
- To view barometer mode, press the [M] button until the mode indicator shows ***B***.
- In barometer mode the watch display shows the barometric TREND, 24h, 2h, and the actual barometric pressure on the top half of the display and the current time ot temperature, based on your selection in the temperature mode, on the bottom row.

9.1. Barometer Mode – Setup

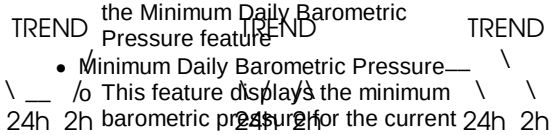
- In barometer mode, press and hold the [S/+] button for 2 seconds.
- The barometric pressure at sealevel will flash.
- Use the [S/+] and [O/-] buttons to adjust the barometric pressure. **Note**: In most areas of the world, users will not need to make any adjustments to the current barometric pressure reading.
- Press the [O/O] button to confirm your selection.
- The unit of measure will now flash. Use the [O/-] button to select between ***inHg*** and ***mBar***.

- Press the [O/O] button to confirm your selection.

9.2. Barometer Mode – Features

- Barometer mode displays several useful features.
- The reduced barometric trend graph is divided into two segments, ***24h*** and ***2h***. The dashed lines display pressure trend in the last 24 and 2 hours. See the examples below:

- Current Barometric Pressure
  - o This is the default feature in barometer mode.
  - o This feature displays the actual current barometric pressure
  - o Press the [O/-] button to advance to the 24h Barometric Difference feature
- 24h Barometric Difference
  - o This feature displays the change in barometric pressure over the last 24 hours.
  - o Press the [O/-] button to advance to the Maximum Daily Barometric Pressure feature
- Maximum Daily Barometric Pressure
  - o This feature displays the maximum barometric pressure for the current day.
  - o This feature is automatically reset every day at midnight.
  - o Press the [o/-] button to advance to the Minimum Daily Barometric Pressure feature
- Minimum Daily Barometric Pressure
  - o This feature displays the minimum barometric pressure for the current day.
  - o This feature is automatically reset every day at midnight.



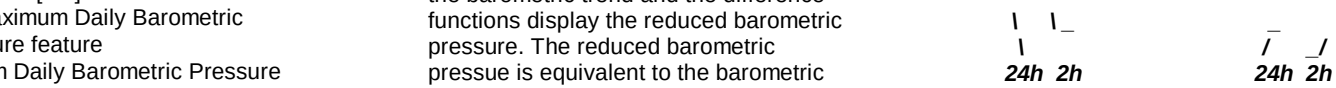
9.3. Barometer Mode – Reduced Barometric Trend Function

In order to eliminate the influence of an altitude change to your weather forecast the barometric trend and the difference functions display the reduced barometric pressure. The reduced barometric pressue is equivalent to the barometric pressure at sealevel under the current weather conditions. This allows to make good weather forecasts even while moving in the mountains.

An increasing **/** or decreasing **** icon indicates that the reduced barometric pressure has reduced by more than 2mbar in the observed period of time. A sraight icon – indicates that the reduced barometric pressure changes less than 2mbar in the observed period.

Interpretation of the trend reading. Two trends are recorded. A long term 24h trend and a short term 2h trend. In the 24h trend every bar represents a 12h period, in the short term trend every bar represents 1h.

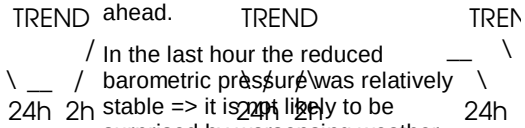
A: TREND ***B: TREND***



The examples above show the following:

A: in the last 24 hours the reduced barometric pressure has reduced more than 4mbar => bad weather ahead.

In the last hour the reduced barometric pressure was relatively stable => it is not likely to be surprised by worsening weather conditions.



B: in the last 12 hours the reduced barometric pressure was stable. Before that we saw a rise in the reduced barometric pressure of over 2mbar => slightly better weather conditions than yesterday.

In the last hour the reduced barometric pressure increased more than 2mbar => weather is likely to improve even more.

For an more accurate weather forecast you also have to monitor the temperature changes, the humidity and other factors. Don't rely to much on your own forecast, especially when moving in not well known terrain since local effects might have a huge influence.

10. Temperature Mode – Display

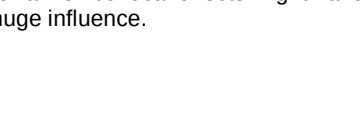
- Temperature mode records and displays critical information about changing temperature conditions
- To view temperature mode, press the [M] button until the mode indicator displays ***T***
- In temperature mode, the watch displays temperature information on the reduced barometric trend in the top row, the current temperature in the center row and the current time or temperature, dependant on your selection in the temperature setup, on the bottom row.

10.1. Temperature Mode – Setup

- In temperature mode, press and hold the [S/+] button for 2 seconds
- The unit of measure will flash.
- Use the [O/-] button to select between ***°F*** and ***°C***.
- Press the [O/O] button to confirm your selection
- The time in the bottom row will flash
- Use the [O/-] button to select between displaying the current time, or current temperature along the bottom of the watch in all other modes.

10.2. Temperature Mode – Features

- The temperature mode displays several useful features.
- The reduced barometric trend graph is divided into two segments, ***24h*** and ***2h***. The dashed lines display pressure trend in the last 24 and 2 hours. See the examples below:



- Current Temperature
  - o This is the default display for temperature mode
  - o This feature displays the current temperature of the user's surroundings
  - o Surrounding temperatures are generally 10 – 15°F / 5 – 8°C cooler than watch readings due to the effects of the user's body temperature
  - o For more accurate readings, remove the watch from your wrist and allow 5-10 minutes for sensors to adjust
  - o Press [O/-] to proceed to the 24h Daily Temperature Difference feature
- 24h Daily Temperature Difference
  - o This feature displays the change in temperature over the last 24 hours
  - o Press the [O/-] button to advance to the Maximum Daily Temperature feature
- Maximum Daily Temperature

- This feature displays the maximum temperature for the current day.
- This feature is automatically reset every day at midnight.
- Press the [O/-] button to advance to the Minimum Daily Temperature feature

- Minimum Daily Temperature
  - This feature displays the minimum temperature for the current day.
  - This feature is automatically reset every day at midnight.

11. Limited Warranty

During the time of warranty Microsport can repair or exchange accepted claims by it's decision. Please store the receipt carefully for evidence of purchase.

This limited warranty is in lieu of all other express or implied warranties, and excludes refund of the purchase price. In no event shall Microsport be liable for direct, indirect, incidental, or consequential damages arising out of the product, and any recovery is limits to the purchase price. No other person or company is authorized to change this limited warranty, and your dealer is solely responsible for any other warranties.

The content of this operating instruction are for information only. The product can be changed during the continuous process of product development without warning.

Your Microsport Team hopes you enjoy your arancia Watch and that it helps you to achieve your personal goals better! If you have any questions, comments or critics please feel free to contact us.

Microsport GmbH & Co. KG
Gruental 10a
81925 Munich
Germany

Phone: +49 (0)89 307 255 99
Fax: +49 (0)89 307 255 98

E-mail: info@microsport.de
website: www.microsport.de